



Automotive Technology Tool and Supply List

Students are **required** to bring **personal laptop/tablet** on first day of class. Students that do not bring the necessary technology with them will be administratively withdrawn.

Quantity	Description
Classroom Supplies	
1	Laptop/tablet
1	Notebook paper
1	Pencils or Pens
Tool Storage	
1	Tool box drawers, lockable, good quality
1/4" Drive:	
1 each	Ratchet
1 each	Extensions - 2", 6" and 10"
1 each	Sockets - 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 7/16", 1/2"
1 set	Metric Sockets - 4mm, 5mm, 5.5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm
3/8" Drive:	
1 each	Ratchet
1 each	Extensions - 3", 6" and 10"
1 each	Sockets - 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4"
1 set	Metric Sockets - 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm
1 each	Spark Plug socket – 9/16", 5/8", 13/16" Neoprene insert or magnetic
1 each	Socket Adapter - 3/8" F to 1/2" M
1 each	Socket Adapter - 1/2" F to 3/8" M
1/2" Drive:	
1 each	Ratchet
1 each	Extensions - 3", 6" and 10"
1 each	Flex Handle (Breaker bar) approx. 18" long
1 each	Torque Wrench - 175 ft./lbs.
1 set	Sockets - 1/2", 9/16", 5/8", 11/16", 3/4", 13/16", 7/8", 15/16", 1"
1 set	Metric Sockets - 15mm, 16mm, 17mm, 18mm, 19mm, 20mm, 21mm, 22mm, 23mm, 24mm
Wrenches	
1 set	Combination box & open-end wrenches, 12 pt.: 1/4", 5/16", 3/8", 7/16", 1/2", 9/16", 5/8", 11/16", 3/4", 7/8", 15/16", 1"
1 set	Metric: 7mm, 8mm, 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm, 19mm, 20mm, 22mm, 23mm, 24mm
1 set	Flare nut wrenches, 6 pt.: 3/8", 7/16", 1/2", 9/16", 5/8", 11/16"
1 set	Metric Flare nut wrenches: 10mm, 11mm, 12mm, 13mm, 14mm, 15mm, 16mm, 17mm, 18mm
1 each	Adjustable (Crescent) Wrench - 12"
Screwdrivers	
1 set	Screw driver set: Flat tip: approximate overall length - 4", 6", 9", 10", and a "stubby."

1 each	Phillips: normal length #1, #2, and #2 stubby.
Pliers	
1 each	Slip joint - 6"
1 each	Needle nose - 6"
1 each	Diagonal cutters - 6"
1 each	Locking (vise-grip) - 10"
1 each	Groove joint (water pump) - 9" or 10"
Punch and chisel set	
1 set	7 piece set (includes center punch)
Brake tools	
1 each	Brake shoe adjusting tool (spoon)
1 each	Hold down spring tool
1 each	Return spring tool
1 each	Bleeder wrenches - 1/4", 5/16", 3/8" and 10mm
Miscellaneous Tools	
1	Hammer - 32 oz.
1	5 lbs. Sledge Hammer
1	Scraper/Stiff putty knife 1-14" wide, steel center handle
1	Tire inflating air chuck with quick coupler nipple
1	Blow gun with quick coupler nipple
1	12-volt test light with minimum 24" lead and alligator clip
1 set	Torx sockets - (1/4" or 3/8" drive) #10, #15, #20, #30, #35, #40, #45, #50, #55
1	Fluke 115 Multimeter
1 pair	Safety glasses
1	Minimum 40 LED Rechargeable Droplight & Flashlight
1	Mechanic's creeper
1	Soldering Gun
1	External Torx Set E6-E16
1 pair	36" test leads with alligator clips
1 each	Wire stripping and crimping
1	Pry Bars set – 3 piece
1	Tape measure 6' minimum with 1 1/16" increments
1	Tire gauge 10-120
1	Master Brake Flaring Tool Kit (performs Double and Bubble line flares) example: OTC Tools OTC6502